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CNC CHARLESTON
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REQUEST FOR TEMPORARY MONITORING WELL AREAS OF CONCERN 711 AND 715
(AOC 711 AND 715) CNC CHARLESTON SC
6/10/2002
SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL



2600 Bull Street
Columbia, SC 29201-1708

COMMISSIONER June 10, 2002
Douglas E. Bryant

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Charleston, SC 29405

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RE: Naval Base Station Charleston (CNAV)
Charleston, South Carolina
SC0-170-022-560

Temporary Monitoring Well Request for OWSs AOCs 711 and 715

Dear Ms. Amy Daniell

The above referenced request has been reviewed with respect to R.61-79.264 Subpart F of the South Carolina Hazardous Waste Management Regulations and R.61-71 of the South Carolina Well Standards and Regulations. This request is for the installation of two, (02) temporary monitoring wells (Geoprobes) by CH2MHill in order to collect and analyze groundwater for volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), polychlorinated biphenyl (PCBs), and pesticides. These temporary wells should be completed to a maximum depth of approximately 10 feet below the land surface and will not be completed as a permanent monitoring well.

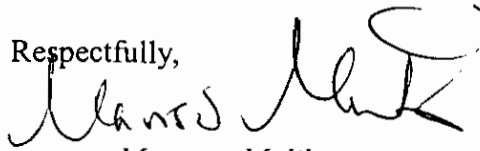
Attached, please find Temporary Monitoring Well Approval HW-02-063 and a map depicting the proposed well locations. A copy of this monitor well approval should be provided to the certified driller and be available for inspection during drilling operations. Please be advised, additional assessment may be required at this site.

This well approval should be implemented in accordance with the conditional approval issued by the Department for the Sampling and Analysis Plan for OWS AOCs 711-720 dated April 30, 2002.

Should there be any questions, please contact Paul Bergstrand (803) 896-4016 or Mansour Malik (803) 896-4169

DD020417.MNM

Respectfully,



Mansour Malik,
Project Hydrogeologist.
Hazardous Waste Section
Division of Hydrogeology, BLWM.

Enclosures:

MWA: HW-02-063

Map figures #s 5 & 8.

CC: Jerry Stamps, SCDHEC, BLWM; Corrective Action Engineering Section.
Christine Sanford-Coker, Trident District EQC
Rob Harrell, Southern Division, Charleston.
Louise Palmer, CH2M-Jones, 4824 Parkway Plaza Blvd., Suite 200, Charlotte, NC28217-1968
Bureau File #50484



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*Division of Hydrogeology
2600 Bull Street
Columbia, SC 29201
Telephone (803) 896-4010
Fax (803) 896-4002*

Temporary Well Installation Approval

Approval is hereby granted to:

Naval Base Charleston
Attention: Ms. Amy Daniell

Facility: OWS AOC 711 & 715, Zone I
Naval Base Complex
SC 1 70 022 560
Charleston

For the installation of two, (02) temporary monitoring well (Geoprobes) at the location specified and in accordance with the well request (electronic version) monitoring well request #158814.ZF.PR.13 from Louise Palmer to Paul Bergstrand with subject: Request for the installation of a geoprobe sampling location Zone I; AOC 711 & 715; Oil Water Separators, dated June 7, 2002.

These temporary monitoring wells are to be installed and temporarily screened within the surficial aquifer/unit to the depth of approximately 10 feet below land surface for the purpose of groundwater collection to be analyzed for chlorinated solvents (VOSs, SVOCs), polychlorinated biphenyls (PCBs), and pesticides.

Conditions:

1. A driller certified to operate in the State of South Carolina must install the wells.
2. That the latitude and longitude, surveyed elevations, boring and/or geologist logs, and actual (as built) construction details for each temporary monitoring well be submitted to the Department within 30 days after the installation. GPS is highly recommended.
3. All well construction and sampling derived wastes, including but not limited to, drill cuttings, drilling fluids, development and purge water, must be managed properly and in accordance with all applicable state and federal requirements. If containerized, each vessel shall be clearly labeled with regard to contents, source, and date of activity.

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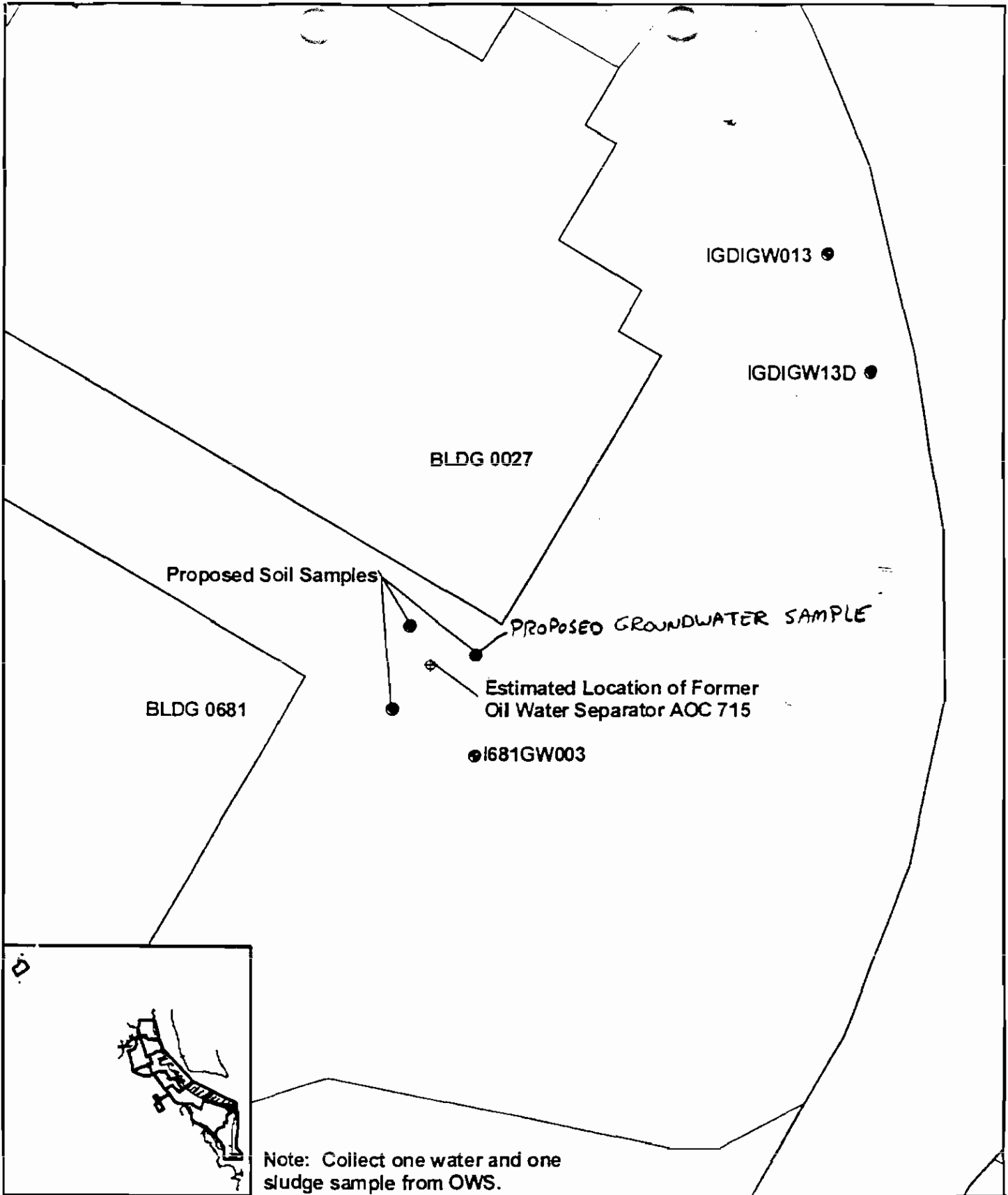
4. Considering the temporary nature of these installations please refer to R.61-71. H. 1 & 4 where additional requirements are to be observed.
5. Field equipment (including sampling probes) must be decontaminated before use and between sampling locations. Well screens and casing must be decontaminated before installation.
6. That notice be given to the Christine Sanford-Coker, Charleston District EQC Hydrogeologist, during normal business hours at (803) 740-1590, Trident, a minimum of forty-eight hours prior to the initiation of drilling activities.

This approval is pursuant to the provisions of Section 44-55-40 of the 1976 South Carolina Code of Laws and R.61-71 of the South Carolina Well Standards modified March 22, 2002.

Date of Issuance: 06/10/2002
Approval #: HW-02-063



Mansour N. Malik
Project Hydrogeologist
Hazardous Waste Section
Division of Hydrogeology
Bureau of Land and Waste Management



- Proposed Soil Sample
- Groundwater Well
- ⊕ AOCs
- ∧ Roads
- Buildings
- ∨ Pavement

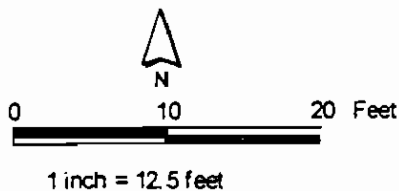


Figure 5
AOC 715 Sampling Locations
Confirmatory Sampling Investigation
Charleston Naval Complex

CH2MHILL

Note: Collect composite water and composite sludge from OWS.

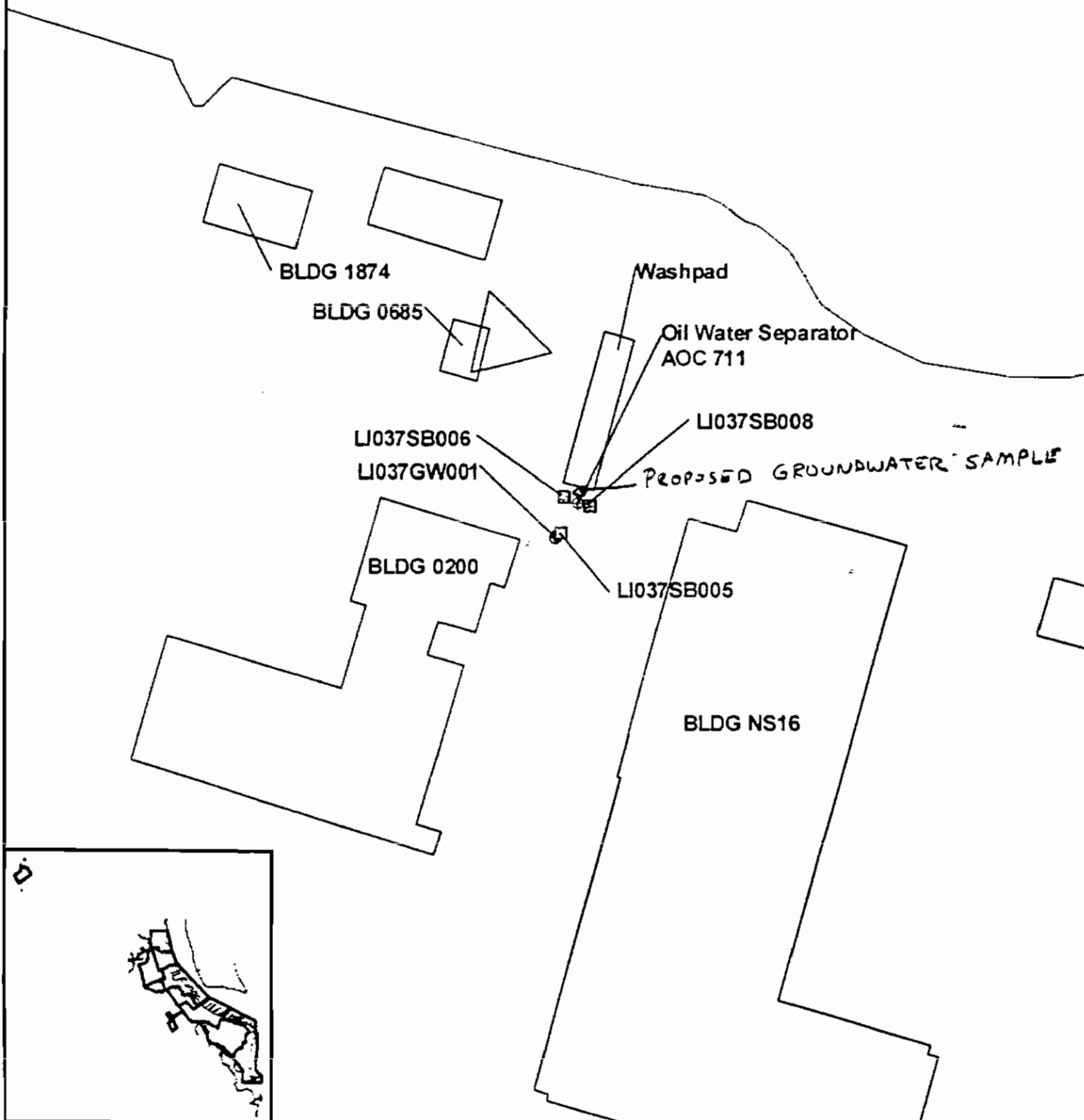


Figure 8
AOC 711 Sampling Locations
Confirmatory Sampling Investigation
Charleston Naval Complex

CH2MHILL